

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Regional Headquarters
2300 N. Dr. ML King Drive, PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8483
TDD 414-263-8713

December 14, 1998

IN REPLY REFER TO FID#2413739710
BRRTS#03-41-000453

Mr. Ray Chartier
Fleming Companies, Inc., Godfrey Division
1200 W. Sunset Drive
Waukesha, WI 53186

Subject: Closure Request, Godfrey Company West site, 4140 West Greenfield Ave., West Milwaukee, WI 53215

Dear Mr. Chartier:

At the request of your environmental consultant, Environgen, Inc. Fluid Management Inc., (FMI) we have reviewed the Godfrey West Site for flexible closure. Based on the information present we concur with FMI recommendation of closure.

The groundwater contamination levels for Benzene and MTBE at this site are above enforcement standards (ES) promulgated in Ch. NR. 140, Wisconsin Administrative Code within your property boundary, but showing evidence that natural attenuation is controlling the spread of contamination. Your site may be closed with a groundwater use restriction.

A groundwater use restriction is a notice that is recorded with the Register of Deeds in the county where your property is located informing future property owners that new potable well construction on the property needs the approval of the Department. If at a later time you demonstrate that contaminant levels have fallen below the ES, you may ask the Department to issue a written determination that you may file with the county registrar of deeds giving notice that the previously recorded groundwater use restriction is no longer required. As always the department reserves the right to reopen this case pursuant to s. NR 726.09, WAC, should additional information regarding site conditions indicate that contamination on or from the site poses a threat to public health, safety or welfare of the environment.

In the event that these soils, with contamination concentrations exceeding the WDNR generic residual level, are excavated in the future, the owner of the property would be responsible for managing the soils according to all applicable WDNR regulations.

Please note that approval of a site specific soil cleanup standard by the WDNR does not mean that the soils could be excavated and transported as clean fill at a later day. The WDNR would be required to give approval under S. NR 718.14 before the soil could be used as fill at any new location other than a response action site (solid waste engineered landfill).

To complete the closure of this site, you must place a groundwater use restriction on the property deed at

*Quality Natural Resources Management
Through Excellent Customer Service*



the county register of deeds office which specifies the legal description of the property, the location type and the concentration of the contaminant(s) and include the following language:

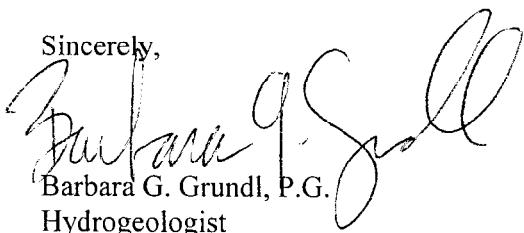
Natural attenuation has been approved by the Department of Natural Resources to remediate groundwater exceeding ch NR 140 groundwater standards within the boundaries of this property. Construction of wells where water quality exceeds the drinking water standards in ch. NR 809 is restricted by chs. NR 811 and NR 812. Special well construction standards or water treatment requirements, or both or well construction prohibitions may apply. Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' bureau of Drinking Water and Groundwater to determine what specific requirements are applicable prior to constructing or reconstructing a well on this property.

When the WDNR receives a copy of the groundwater use restriction and all of the groundwater monitoring wells at the site are abandoned in accordance with WAC NR 141 and the completed abandonment forms submitted to the department **this case will be tracked as closed on the department's tracking system**. This letter serves as your closure letter, but is technically only valid once we receive the information requested above.

In addition, we understand that you are working on obtaining groundwater use restrictions for residential properties downgradient from Godfrey East. We will issue a response to your closure request for that site once you have notified us of the status of those groundwater use restrictions.

If you have any questions regarding this letter, you may contact me at the above address or at (414) 263-8546.

Sincerely,



Barbara G. Grundl, P.G.
Hydrogeologist

cc: D. J. Burns - Fluid Management
Dale Ziege-DNR Central
Steve Karklin- DNR Central
SED file

7696831

Document Number

GROUNDWATER USE RESTRICTION

Declaration of Restrictions

In re: Godfrey West
(See attached legal description)

Exhibit A

STATE OF WISCONSIN)
COUNTY OF MILWAUKEE) ss
)

REGISTER'S OFFICE } SS
Milwaukee County, WI }
RECORDED AT _____ -1000 AM

FEB 26 1999

REEL _____ IMAGE _____
Walter C. George REGISTER
OF DEEDS

Recording Area 7696831
 RECORD 16.00

Name and Return Address
Aaron Israel
C/o Mark C. Treter, Esq.
MICHAEL BEST & FRIEDRICH LLP
100 E. Wisconsin Avenue, Suite 3300
Milwaukee, Wisconsin 53202-4108

WHEREAS, Aaron Israel is the owner of the above described property. Parcel Identification Number (PIN)

WHEREAS, one or more gasoline discharges have occurred at this property. Benzene and MTBE, as residuals of gasoline, are present in the groundwater above the NR 140 enforcement standards and exist on this property primarily at the location of the former USTs. See attached Figure 7, dated July 16, 1998, as prepared by Fluid Management, a division of ENVIROGEN, Inc. The contamination extended from the area where the USTs were formerly located to about 100 feet downgradient of the source area. Contamination appears to have migrated vertically from the former UST area and then spread laterally along the water table. Soil contamination is observed primarily in the zone where the water table fluctuates.

WHEREAS, natural attenuation has been approved by the Department of Natural Resources to remediate groundwater exceeding ch. NR 140 groundwater standards within the boundaries of this property. Construction of wells where water quality exceeds the drinking water standards in ch. NR 809 is restricted by chs. NR 811 and NR 812. Special well construction standards or water treatment requirements, or both or well construction prohibitions may apply. Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' bureau of Drinking Water and Groundwater to determine what specific requirements are applicable prior to constructing or reconstructing a well on this property.

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct additional soil or groundwater remediation activities on the property at the present time.

NOW, THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitation and restrictions:

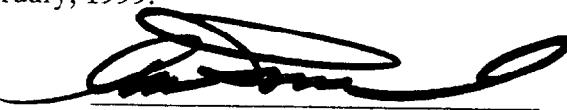
Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed or reconstructed on this property unless applicable requirements are met.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This

restriction benefits and is enforceable by, the Wisconsin Department of Natural Resources, its successors and assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violations or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that the restrictions set forth in this covenant are no longer required. Upon receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, with a copy of the Department's written determination, may be recorded to give notice that this groundwater use restriction is no longer binding.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 22 day of February, 1999.

Signature: 

Printed Name: Aaron Israel

AARON ISRAEL

Subscribed and sworn to before me
This 22 day of February, 1999.

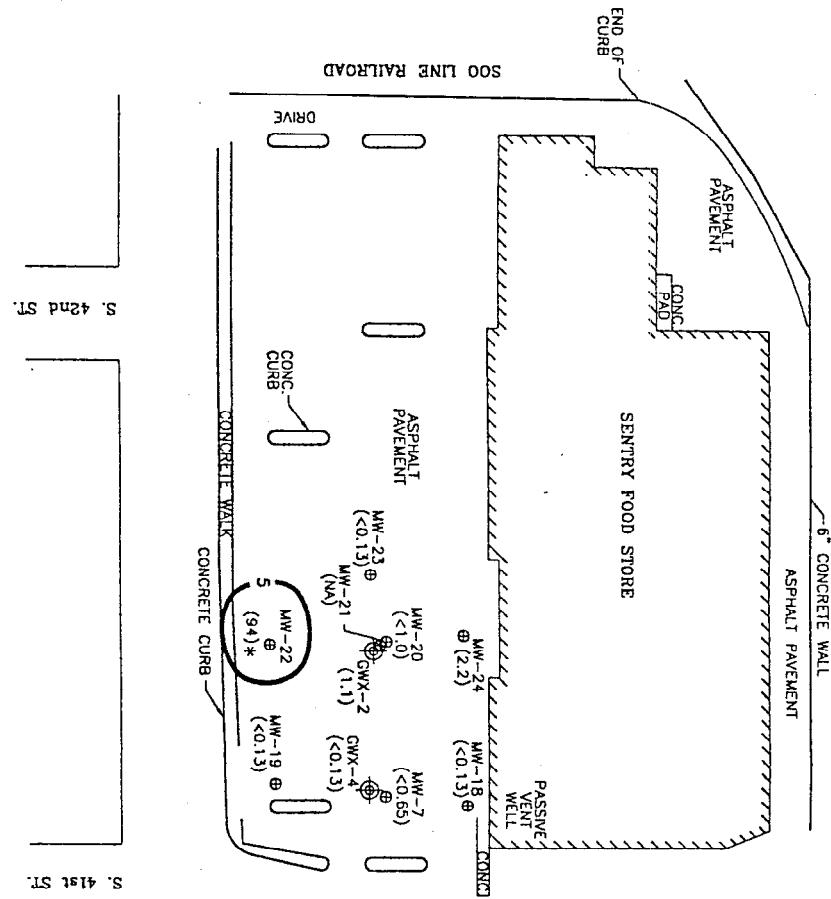
Harrriet E Tully

Notary Public, State of ~~Wisconsin~~ ILLINOIS
My commission expires: 11-27-99



Exhibit A
Godfrey West

- Parcel 3: Lots 2, 3 and 4, in Block 4, except the East 30.00 feet thereof, the North 205.00 feet of Lot 5 and the East 2.30 feet of the North 205.00 feet of Lot 6, in Block 4 of Assessor's Plat No. 290, being a part of the Southwest $\frac{1}{4}$ of Section 36 and the Southeast $\frac{1}{4}$ of Section 35, Town 7 North, Range 21 East, in the Village of West Milwaukee, County of Milwaukee, State of Wisconsin.
- Parcel 4: Lot 5, in Block 4 except the North 205 feet and except that part conveyed by Deed No. 5075073 and Lot 6, Block 4 except the South 33 feet, the East 2.30 feet of the North 205 feet and except that part conveyed by Deed Nos. 4260008 and 5075074, in Assessor's Plat No. 290, being a part of the Southwest $\frac{1}{4}$ of Section 36 and the Southeast $\frac{1}{4}$ of Section 35, Town 7 North, Range 21 East, in the Village of West Milwaukee, County of Milwaukee, State of Wisconsin.
- Parcel 5: Vacated South 41st Street abutting Lots 2, 3, 4 and 5 of Block 4 in Assessors Plat No. 290 aforesaid and the vacated east-west alley in Block 4, Cary Park No. 2 aforesaid abutting Lots 15 to 21 inclusive in said Block.



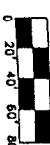
LEGEND

- ⊕ MONITORING WELL
- ⊕ GROUNDWATER EXTRACTION WELL
- () BENZENE CONCENTRATION IN ppb
- (NA) NOT ANALYZED
- * SAMPLE COLLECTED ON 9/2/98
- ISOCONCENTRATION CONTOUR

NOTE: THE NR140 ENFORCEMENT STANDARD FOR BENZENE IS 5 ppb.



**Groundwater Benzene
Distribution (7/16/98)**
Godfrey Company West Site
West Milwaukee, Wisconsin



THE INTERPRETATIONS IN THIS FIGURE ARE BASED ON KNOWN POINTS IN TIME AND SPACE AND ARE INTEGRAL TO A WRITTEN REPORT AND SHOULD BE REVIEWED IN THAT CONTEXT.

217257

CERTIFICATE NO. _____

STATE OF WISCONSIN
MILWAUKEE COUNTY **SEAL**

OFFICE OF
REGISTER OF DEEDS

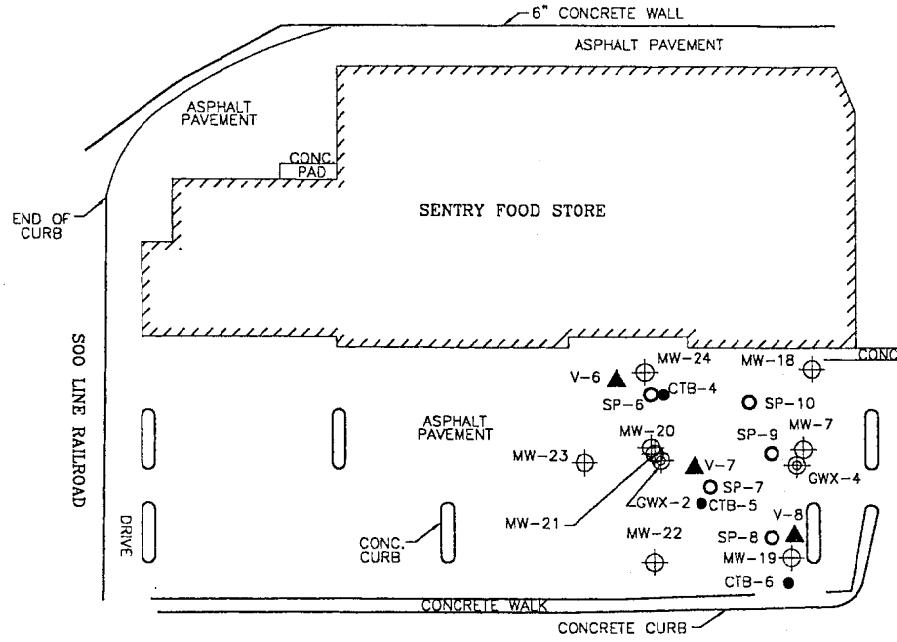
I, the undersigned,
Register of Deeds of
Milwaukee County,
hereby certify that
this document is a
true and correct copy
of the original on
file or record in
this office.

Witness my hand and
official seal this

FFB 26 1989
Walter R. Barcaak

SEAL

DRAWING NO.	92-551L2b	DRAWN BY:	LME	CHECKED BY:	SAC	APPROVED BY:	CAT	06/09
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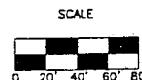


LEGEND

- MONITORING WELL
- ▲ SOIL VAPOR EXTRACTION WELL
- GROUNDWATER EXTRACTION WELL
- AIR SPARGE WELL
- SOIL BORING

THE INTERPRETATIONS IN THIS FIGURE ARE BASED ON KNOWN POINTS IN TIME AND SPACE AND ARE INTEGRAL TO A WRITTEN REPORT AND SHOULD BE REVIEWED IN THAT CONTEXT.

Fluid Management
A Division of  ENVIROGEN, Inc.

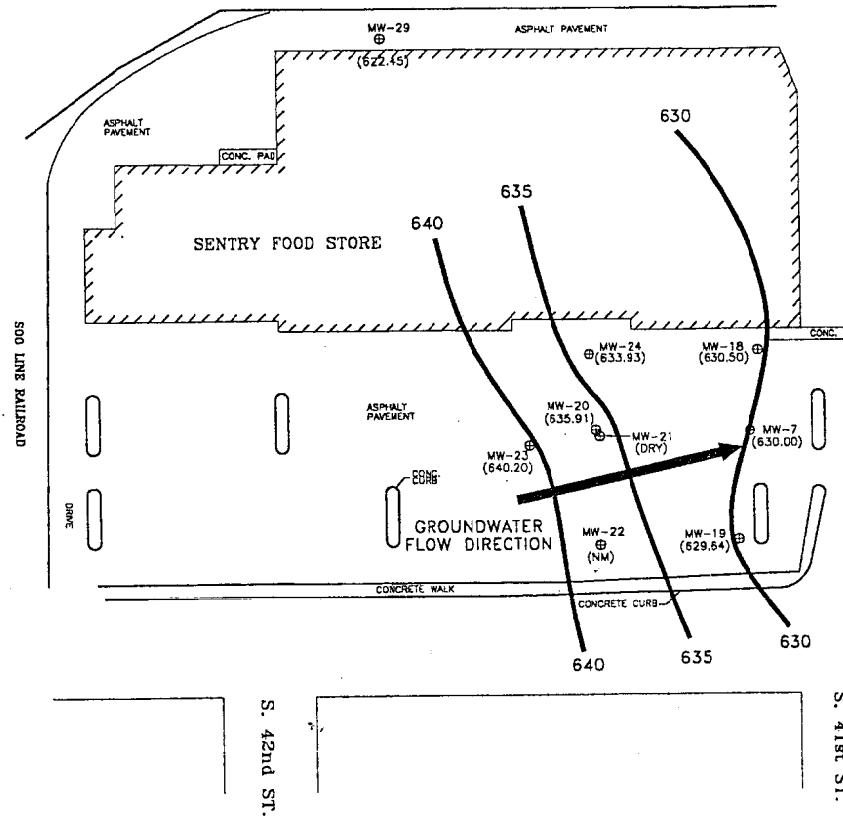


Site Plan View
Godfrey Company West Site
West Milwaukee, Wisconsin

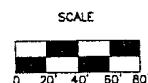
FIGURE NO.

2

DRAWING NO.	S2.551L4b
DRAWN BY:	LME
CHECKED BY:	SP
APPROVED BY:	WME
DATE:	10/5/98



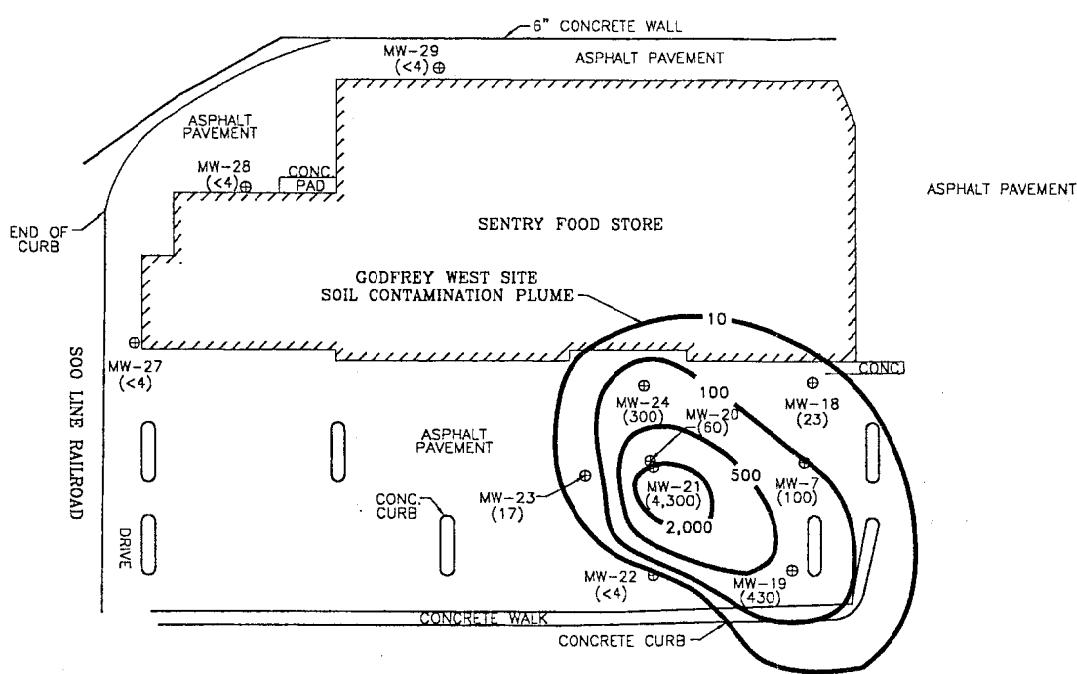
Fluid Management
A Division of  ENVROGEN, Inc.



Groundwater
Potentiometric Surface (7/16/98)
Godfrey Company West Site
West Milwaukee, Wisconsin

THE INTERPRETATIONS IN THIS FIGURE ARE BASED ON KNOWN POINTS IN TIME AND SPACE AND ARE INTRINSIC TO A WRITTEN REPORT AND SHOULD BE REVIEWED IN THAT CONTEXT.

DRAWING NO.	92-55115b	DRAWN BY:	LME	CHECKED BY:	JKF	APPROVED BY:	CJF	10/6/98
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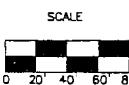


LEGEND

- ⊕ MONITORING WELL
- ✖ TEST BORING
- () TPH/GRO CONCENTRATION (ppm)
- (NA) ANALYTICAL DATA NOT AVAILABLE
- 10 ISOCONCENTRATION CONTOUR

THE INTERPRETATIONS IN THIS FIGURE ARE BASED ON KNOWN POINTS IN TIME AND SPACE AND ARE INTEGRAL TO A WRITTEN REPORT AND SHOULD BE REVIEWED IN THAT CONTEXT.

Fluid Management
A Division of  ENVIRONMENTAL, Inc.

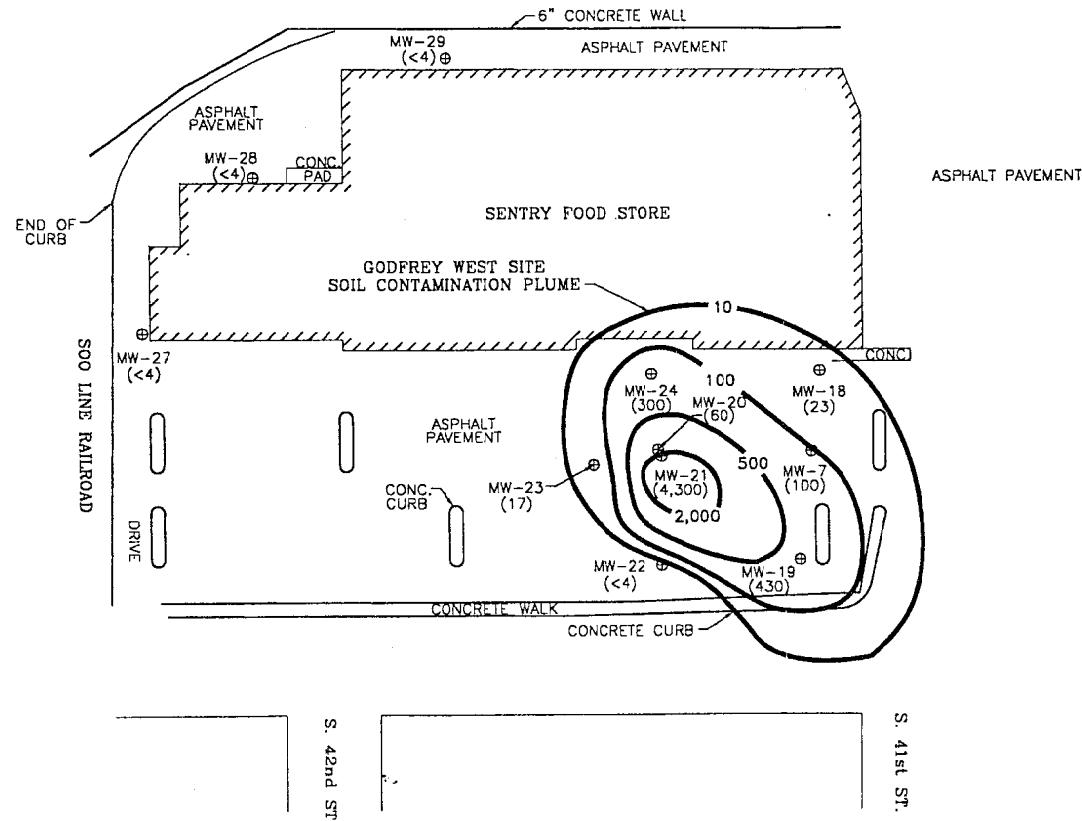


**Pre-Remedial TPH/GRO
Soil Contamination
Godfrey Company West Site
West Milwaukee, Wisconsin**

5

FIGURE NO.

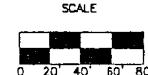
DRAWING NO.	92-5515b	DRAWN BY:	LME	10/5/98	CHECKED BY:	<i>[Signature]</i>	APPROVED BY:	<i>[Signature]</i>	DATE: 10/6/98
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LEGEND

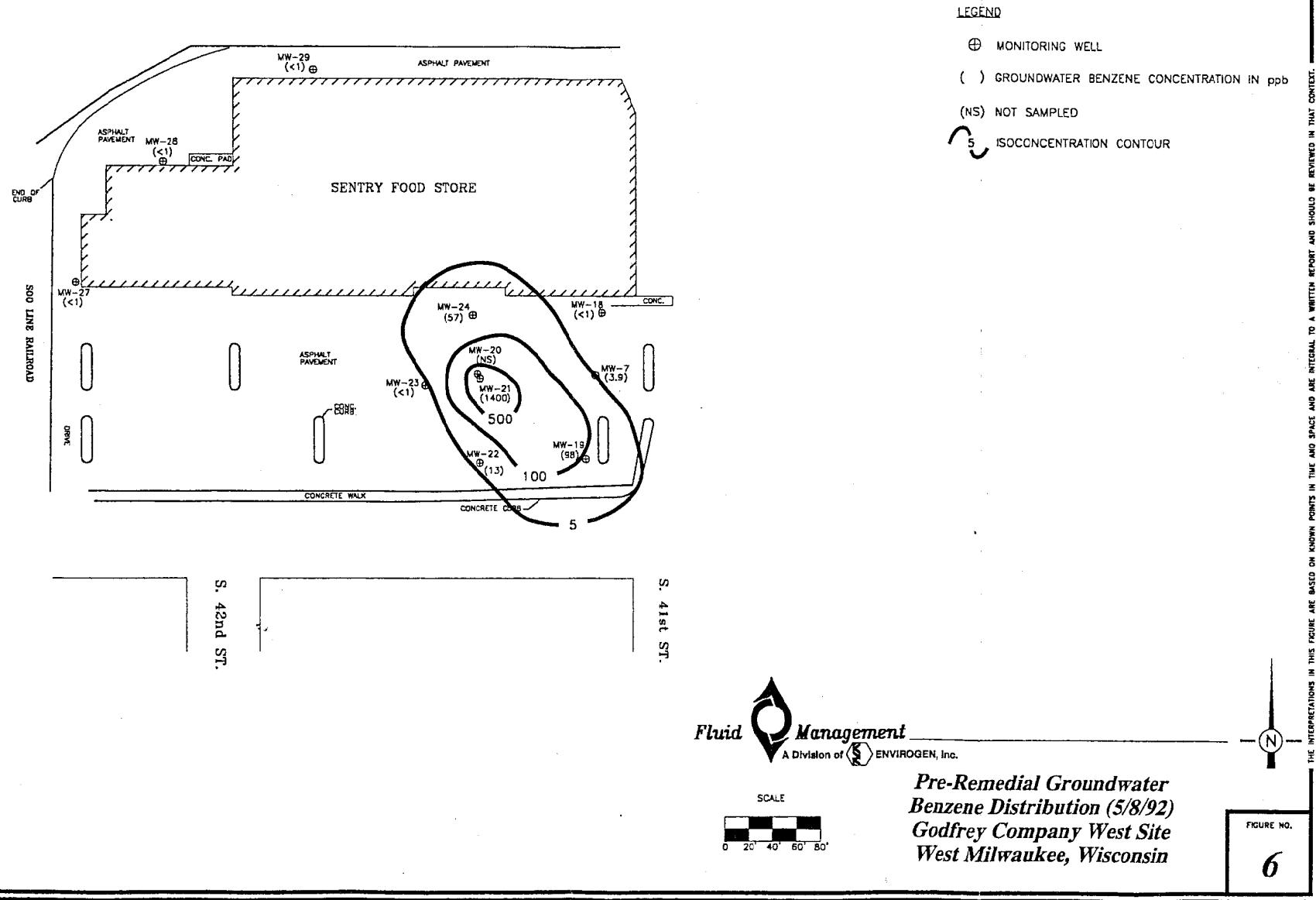
- ⊕ MONITORING WELL
- ⊕ TEST BORING
- () TPH/GRO CONCENTRATION (ppm)
- (NA) ANALYTICAL DATA NOT AVAILABLE
- 10 ISOCONCENTRATION CONTOUR

Fluid Management
A Division of  ENVIROGEN, Inc.

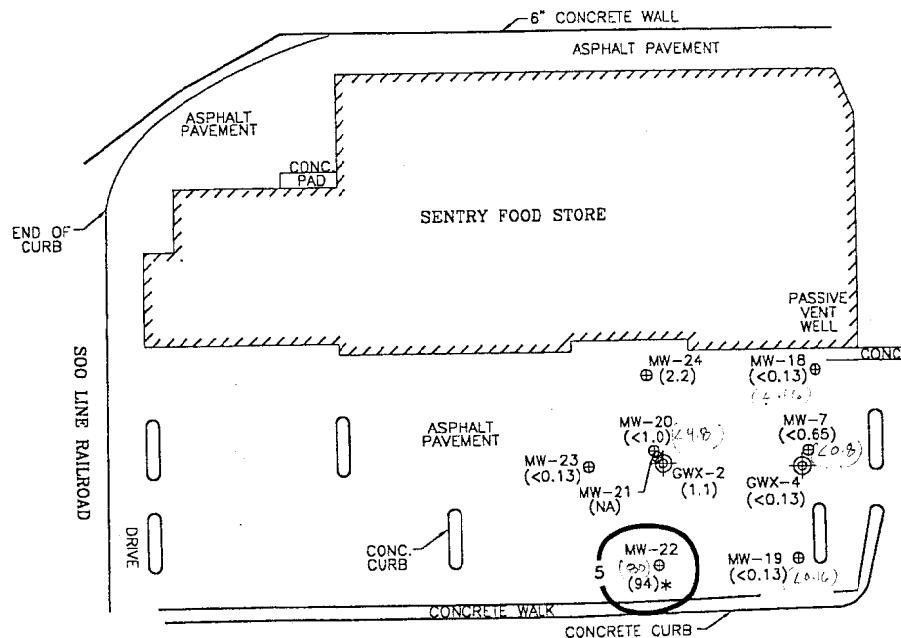


Pre-Remedial TPH/GRO
Soil Contamination
Godfrey Company West Site
West Milwaukee, Wisconsin

DRAWING NO.	92-5516b	DRAWN BY:	LME	10/5/98	CHECKED BY:	<i>[Signature]</i>	APPROVED BY:	<i>[Signature]</i>	DATE:	10/6/98
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DRAWING NO.	92-5517b	DRAWN BY:	LME	CHECKED BY:	LMF	APPROVED BY:	LMF

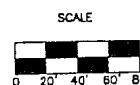


LEGEND

- ⊕ MONITORING WELL
- ⊗ GROUNDWATER EXTRACTION WELL
- () BENZENE CONCENTRATION IN ppb
- (NA) NOT ANALYZED
- * SAMPLE COLLECTED ON 9/2/98.
- 5 ISOCONCENTRATION CONTOUR

NOTE: THE NR140 ENFORCEMENT STANDARD FOR BENZENE IS 5 ppb.

THE INTERPRETATIONS IN THIS FIGURE ARE BASED ON KNOWN POINTS IN TIME AND SPACE AND ARE INTERNAL TO A WRITTEN REPORT AND SHOULD BE REVIEWED IN THAT CONTEXT.



Groundwater Benzene
Distribution (7/16/98)
Godfrey Company West Site
West Milwaukee, Wisconsin

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TABLE 1

Groundwater Elevations
Godfrey West Site
West Milwaukee, Wisconsin

Date	MW-7		MW-18		MW-19		MW-20		MW-21		MW-22		MW-23		MW-24		MW-25		MW-26		MW-27		MW-28		MW-29	
	TOC Elev.		TOC Elev.		TOC Elev.		TOC Elev.		TOC Elev.		TOC Elev.		TOC Elev.		TOC Elev.		TOC Elev.		TOC Elev.		TOC Elev.		TOC Elev.		TOC Elev.	
	ft to water	Elevation																								
5/08/92	21.80	630.16	21.13	630.93	22.37	629.72	DRY	NA	18.3	632.02	20.07	629.58	9.59	640.19	19.46	631.85	13.72	634.07	15.03	628.24	20.67	622.65				
5/19/92	21.82	630.14	NA	NA	NA																					
6/01/94	20.55	631.41	19.41	632.65	22.86	629.23	DRY	NA	19.3	631.02	DRY	NA	10.66	639.12	20.54	630.77	14.42	633.37	15.8	627.47	21.19	622.13				
8/31/94	19.83	632.13	19.08	632.98	22.39	629.7	18.59	631.71	DRY	NA	18.89	630.76	10.54	639.24	19.88	631.43	14.20	633.59	15.22	628.05	20.81	622.51				
12/08/94	20.83	631.13	19.99	632.07	22.79	629.3	20.34	629.96	DRY	NA	13.35	636.3	13.35	636.43	19.75	631.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	
12/11/95	21.25	630.71	21.00	631.06	24.55	627.54	17.35	632.95	NA	NA	19.58	630.07	14.60	635.18	18.73	632.58	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	
6/20/96	21.48	630.48	20.65	631.41	23.35	628.74	17.1	633.2	DRY	NA	DRY	NA	9.62	640.16	19.00	632.31	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	
11/18/96	NA	NA	NA	NA	NA	NA	NA	NA	DRY	NA	NA	ABD	ABD	ABD	ABD	ABD	NA									
1/09/97	NA	NA	NA	NA	NA	NA	NA	NA	DRY	NA	NA	ABD	ABD	ABD	ABD	ABD	NA									
3/24/97	21.53	630.43	21.16	630.90	23.94	628.15	15.54	634.76	DRY	NA	19.47	630.18	8.27	641.51	10.48	640.83	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	
6/18/97	22.48	629.48	22.53	629.53	24.65	627.44	17.55	632.75	NA	NA	21.40	628.25	NA	NA	18.93	632.38	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	
9/26/97	NA	NA	NA	NA	NA	22.92	629.17	NA	NA	ABD	ABD	ABD	ABD	ABD	NA											
1/07/98	NA	NA	NA	NA	23.68	628.41	NA	NA	NA	ABD	ABD	ABD	ABD	ABD	NA											
7/16/98	21.96	630.00	21.56	630.50	22.45	629.64	14.39	635.91	DRY	NA	17.70	631.95	9.76	640.02	17.38	633.93	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	

Notes:

Elevations in feet above mean sea level

Feet to water is referenced from top-of-casing

ABD: Abandoned

TOC: Top-of-casing

NA: Not analyzed/available

Checked by: JKApproved by: JW

TABLE 2
Groundwater Quality Analytical Data
MW-7
Godfrey West Site
West Milwaukee, Wisconsin

Sample Date	Parameters								
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	DRO	GRO
5/08/92	3.9	6.1	7.2	40	27	11	<1.0	130,000	2,000
5/19/92	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/01/94	<1,000	<1,000	1,400	<3,000	<1,000	<1,000	<1,000	NA	127,000
8/31/94	<10	<10	<10	<30	<10	M <10	<10	NA	5,100
12/08/94	<0.50	<5.0	<5.0	<15	27	<5.0	5.4	NA	5,900
12/11/95	<5.0	<10	<10	<30	18	<10	<10	NA	1,900
6/20/96	<0.50	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NA	340
11/18/96	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/09/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/24/97	<13	<22	<20	<23	<22	<29	<16	NA	NA
6/18/97	0.46	1.7	0.56	3.7	6.6	<5.0	<0.16	NA	NA
9/26/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/07/98	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/16/98	<0.65	<1.1	<1.0	1.5	2.4	<1.5	<0.80	NA	NA
NR 140 ES	5.0	700	343	620	NS	NS	60	NS	NS
NR 140 PAL	0.5	140	68.6	124	NS	NS	12	NS	NS

(Continued)

Notes:

Concentrations in ppb

Cross hatching indicates value equals or exceeds the NR 140 preventive action limit

M: Matrix interference
 ES: Enforcement standard
 PAL: Preventive action limit
 DRO: Diesel range organics
 GRO: Gasoline range organics
 MTBE: Methyl t-butyl ether
 TMB: Trimethylbenzene
 NA: Not analyzed
 NS: No standard
 WA: Well abandoned

Checked by:
 Approved by:

TABLE 2
(Continued)

Groundwater Quality Analytical Data
MW-18
Godfrey West Site
West Milwaukee, Wisconsin

Sample Date	Parameters									GRO
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	DRO		
5/08/92	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
5/19/92	NA	NA	NA	NA	NA	NA	NA	1,000		250
6/01/94	<250	<250	<250	<750	<250	<250	<250			NA
8/31/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0				H 101,000
12/08/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	16			<50
12/11/95	<0.50	<1.0	<1.0	<3.0	<1.0	<1.0	61			<50
6/20/96	<0.50	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0			<50
11/18/96	NA	NA	NA	NA	NA	<1.0	<1.0			<50
1/09/97	NA	NA	NA	NA	NA	NA	NA			NA
3/24/97	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29				NA
6/18/97	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29	0.54			NA
9/26/97	NA	NA	NA	NA	NA	<0.16				NA
1/07/98	NA	NA	NA	NA	NA	NA				NA
7/16/98	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29	<0.16			NA
NR 140 ES	0.5	700	343	620	NS	NS	60			NA
NR 140 PAL	5.0	140	68.6	124	NS	NS	12			NS
										NS
										NS

Notes:

Concentrations in ppb

(Continued)

Shading indicates value equals or exceeds the NR 140 enforcement standard

Cross hatching indicates value equals or exceeds the NR 140 preventive action limit

- M: Matrix interference
- ES: Enforcement standard
- PAL: Preventive action limit
- DRO: Diesel range organics
- GRO: Gasoline range organics
- MTBE: Methyl t-butyl ether
- TMB: Trimethylbenzene
- NA: Not analyzed
- NS: No standard
- WA: Well abandoned

Checked by: JL
Approved by: UDK

TABLE 2
(Continued)

Groundwater Quality Analytical Data
MW-19
Godfrey West Site
West Milwaukee, Wisconsin

Sample Date	Parameters								
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	DRO	GRO
5/08/92	98	1.8	1.5	131	7.0	<1.0	1.2	<1,000	470
5/19/92	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/01/94	50	<1	<1.0	13	2.3	<1.0	1.8	NA	160
8/31/94	120	<10	<10	31	<10	<10	<10	NA	260
12/08/94	45	3.3	2.6	13	2.9	<1.0	4.1	NA	460
12/11/95	1.3	3.2	<1.0	11	1.9	M <5.0	<1.0	NA	54
6/20/96	<0.50	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NA	<50
11/18/96	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/09/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/24/97	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29	0.34	NA	NA
6/18/97	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29	<0.16	NA	NA
9/26/97	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29	<0.16	NA	NA
1/07/98	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29	<0.16	NA	NA
7/16/98	<0.13	<0.22	<0.20	0.43	0.25	<0.29	<0.16	NA	NA
NR 140 ES	5.0	700	343	620	NS	NS	60	NS	NS
NR 140 PAL	0.5	140	68.6	124	NS	NS	12	NS	NS

Notes:

Concentrations in ppb

(Continued)



Shading indicates value equals or exceeds the NR 140 enforcement standard

Cross hatching indicates value equals or exceeds the NR 140 preventive action limit

- M: Matrix interference
- ES: Enforcement standard
- PAL: Preventive action limit
- DRO: Diesel range organics
- GRO: Gasoline range organics
- MTBE: Methyl t-butyl ether
- TMB: Trimethylbenzene
- NA: Not analyzed
- NS: No standard

Checked by: JHE
Approved by: DRP

TABLE 2
(Continued)

Groundwater Quality Analytical Data
MW-20
Godfrey West Site
West Milwaukee, Wisconsin

Sample Date	Parameters								
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	DRO	GRO
5/08/92	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/19/92	NA	NS	NS	NS	NS	NS	NS	NS	NS
6/01/94	150	<1.0	<1.0	160	210	11	<1.0	NA	4,900
8/31/94	150	<1.0	<1.0	160	210	11	<1.0	NA	4,900
12/08/94	58	110	35	110	100	<50	<20	NA	3,900
12/11/95	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/20/96	<35	82	<40	53	41	<15	<30	NA	3,800
11/18/96	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/09/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/24/97	<20	22	<20	30	32	<10	<1.6	NA	NA
6/18/97	<0.26	65	<0.40	13	49	<0.58	<0.32	NA	NA
9/26/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/07/98	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/16/98	<1.0	24	<2.0	<4.1	8.1	<0.29	<4.8	NA	NA
NR 140 ES	5.0	700	343	620	NS	NS	60	NS	NS
NR 140 PAL	0.5	140	68.6	124	NS	NS	12	NS	NS

(Continued)

Notes:

Concentrations in ppb

Shading indicates value equals or exceeds the NR 140 enforcement standard

Cross hatching indicates value equals or exceeds the NR 140 preventive action limit

- M: Matrix interference
- ES: Enforcement standard
- PAL: Preventive action limit
- DRO: Diesel range organics
- GRO: Gasoline range organics
- MTBE: Methyl t-butyl ether
- TMB: Trimethylbenzene
- NA: Not analyzed
- NS: No standard

Checked by: JG
Approved by: DP

TABLE 2
(Continued)

Groundwater Quality Analytical Data
MW-21
Godfrey West Site
West Milwaukee, Wisconsin

Sample Date	Parameters								
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	DRO	GRO
5/08/92	1,400	1,500	1,100	1,400	1,100	240	<100	1,600,000	160,000
5/19/92	NA	NS	NS	NS	NS	NS	NS	NS	NS
6/01/94	100	270	<50	210	210	<50	<50	NA	7,500
8/31/94	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/08/94	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
12/11/95	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
6/20/96	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
11/18/96	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
1/09/97	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
3/24/97	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
6/18/97	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
9/26/97	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
1/07/98	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/16/98	NA	NA	NA	NA	NA	NA	NA	NA	NA
NR 140 ES	5.0	700	343	620	NS	NS	60	NS	NS
NR 140 PAL	0.5	140	68.6	124	NS	NS	12	NS	NS

Notes:

Concentrations in ppb

(Continued)

Shading indicates value equals or exceeds the NR 140 enforcement standard

Cross hatching indicates value equals or exceeds the NR 140 preventive action limit

M: Matrix interference
ES: Enforcement standard
PAL: Preventive action limit
DRO: Diesel range organics
GRO: Gasoline range organics
MTBE: Methyl t-butyl ether
TMB: Trimethylbenzene
NA: Not analyzed
NS: No standard

Checked by: 
Approved by: 

TABLE 2
(Continued)

Groundwater Quality Analytical Data
MW-22
Godfrey West Site
West Milwaukee, Wisconsin

Sample Date	Parameters								
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	DRO	GRO
5/08/92	13	22	8.9	24	42	8.3	<1.0	<1,000	1,900
5/19/92	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/01/94	DRY	DRY	NA	NA	NA	NA	NA	NA	NA
8/31/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NA	<50
12/08/94	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
12/11/95	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
6/20/96	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
11/18/96	NA	NA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
1/09/97	NA	NA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
3/24/97	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
6/18/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/26/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/07/98	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/16/98	<130	680	<20	1,700	680	180	<4.3	NA	NA
9/02/98	94	✓ 440	✗ 130	1,500	580	91	80	NA	NA
NR 140 ES	5.0	700	343	620	NS	NS	60	NS	NS
NR 140 PAL	0.5	140	68.6	124	NS	NS	12	NS	NS

(Continued)

Notes:

Concentrations in ppb

Shading indicates value equals or exceeds the NR 140 enforcement standard



Cross hatching indicates value equals or exceeds the NR 140 preventive action limit

- M: Matrix interference
- ES: Enforcement standard
- PAL: Preventive action limit
- DRO: Diesel range organics
- GRO: Gasoline range organics
- MTBE: Methyl t-butyl ether
- TMB: Trimethylbenzene
- NA: Not analyzed
- NS: No standard

Checked by:

TABLE 2
(Continued)

Groundwater Quality Analytical Data
MW-23
Godfrey West Site
West Milwaukee, Wisconsin

Sample Date	Parameters								
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	DRO	GRO
5/08/92	<1.0	<1.0	<1.0	3.2	2.6	<1.0	<1.0	63,000	<50
5/19/92	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/01/94	<1.0	<1.0	<1.0	<3	<1.0	<1.0	<1.0	NA	NA
8/31/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NA	<50
12/08/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NA	<50
12/11/95	<0.50	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NA	<50
6/20/96	<0.50	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NA	<50
11/18/96	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/09/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/24/97	<0.13	<0.22	<0.20	0.37	<0.22	<0.29	<0.16	NA	NA
6/18/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/26/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/07/98	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/16/98	<0.13	<0.22	<0.20	<0.23	0.45	<0.29	<0.16	NA	NA
NR 140 ES	5.0	700	343	620	NS	NS	60	NS	NS
NR 140 PAL	0.5	140	68.6	124	NS	NS	12	NS	NS

Notes:

Concentrations in ppb
 ES: Enforcement standard
 PAL: Preventive action limit
 DRO: Diesel range organics
 GRO: Gasoline range organics
 MTBE: Methyl t-butyl ether
 TMB: Trimethylbenzene
 NA: Not analyzed
 NS: No standard

(Continued)

Checked by: SC
 Approved by: MMF

TABLE 2
(Continued)

Groundwater Quality Analytical Data
MW-27
Godfrey West Site
West Milwaukee, Wisconsin

Sample Date	Parameters								
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	DRO	GRO
5/08/92	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1000	<50
5/19/92	NS	NS	NS	NS	NS	NS	NS	NS	NS
6/01/94	<1.0	<1.0	<1.0	<3	<1.0	<1.0	<1.0	NA	<50
8/31/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NA	<50
12/08/94	NS	NS	NS	NS	NS	NS	NS	NA	<50
12/11/95	WA	WA	WA	WA	WA	WA	WA	NS	NS
6/20/96	WA	WA	WA	WA	WA	WA	WA	WA	WA
11/18/96	WA	WA	WA	WA	WA	WA	WA	WA	WA
1/09/97	WA	WA	WA	WA	WA	WA	WA	WA	WA
3/24/97	WA	WA	WA	WA	WA	WA	WA	WA	WA
6/18/97	WA	WA	WA	WA	WA	WA	WA	WA	WA
9/26/97	WA	WA	WA	WA	WA	WA	WA	WA	WA
1/07/98	WA	WA	WA	WA	WA	WA	WA	WA	WA
7/16/98	WA	WA	WA	WA	WA	WA	WA	WA	WA
NR 140 ES	5.0	700	343	620	NS	NS	60	NS	NS
NR 140 PAL	0.5	140	68.6	124	NS	NS	12	NS	NS

Notes:

(Continued)

Concentrations in ppb

Shading indicates value equals or exceeds the NR 140 enforcement standard



Cross hatching indicates value equals or exceeds the NR 140 preventive action limit

ES: Enforcement standard

PAL: Preventive action limit

DRO: Diesel range organics

GRO: Gasoline range organics

MTBE: Methyl t-butyl ether

TMB: Trimethylbenzene

NA: Not analyzed

NS: No standard

WA: Well Abandoned

Checked by: JK

Approved by: JMS

TABLE 2
(Continued)

Groundwater Quality Analytical Data
MW-28
Godfrey West Site
West Milwaukee, Wisconsin

Sample Date	Parameters								
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	DRO	GRO
5/08/92	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1,000	<50
5/19/92	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/01/94	<1.0	<1.0	<1.0	<3	<1.0	<1.0	<1.0	NA	NA
8/31/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NA	<50
12/08/94	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/11/95	WA	WA	WA	WA	WA	WA	WA	WA	WA
6/20/96	WA	WA	WA	WA	WA	WA	WA	WA	WA
11/18/96	WA	WA	WA	WA	WA	WA	WA	WA	WA
1/09/97	WA	WA	WA	WA	WA	WA	WA	WA	WA
3/24/97	WA	WA	WA	WA	WA	WA	WA	WA	WA
6/18/97	WA	WA	WA	WA	WA	WA	WA	WA	WA
9/26/97	WA	WA	WA	WA	WA	WA	WA	WA	WA
1/07/98	WA	WA	WA	WA	WA	WA	WA	WA	WA
7/16/98	WA	WA	WA	WA	WA	WA	WA	WA	WA
NR 140 ES	5.0	700	343	620	NS	NS	60	NS	NS
NR 140 PAL	0.5	140	68.6	124	NS	NS	12	NS	NS

Notes:

Concentrations in ppb
 ES: Enforcement standard
 PAL: Preventive action limit
 DRO: Diesel range organics
 GRO: Gasoline range organics
 MTBE: Methyl t-butyl ether
 TMB: Trimethylbenzene
 NA: Not analyzed
 NS: No standard
 WA: Well abandoned

(Continued)

Checked by: ME
 Approved by: CDE

TABLE 2
(Continued)

Groundwater Quality Analytical Data
MW-29
Godfrey West Site
West Milwaukee, Wisconsin

Sample Date	Parameters								
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	DRO	GRO
5/08/92	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1,000	<50
5/19/92	<1.0	<1.0	<1.0	<3	<1.0	<1.0	<1.0	NA	<50
6/01/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NA	<50
8/31/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NA	<50
12/08/94	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/11/95	WA	WA	WA	WA	WA	WA	WA	WA	WA
6/20/96	WA	WA	WA	WA	WA	WA	WA	WA	WA
11/18/96	WA	WA	WA	WA	WA	WA	WA	WA	WA
1/09/97	WA	WA	WA	WA	WA	WA	WA	WA	WA
3/24/97	WA	WA	WA	WA	WA	WA	WA	WA	WA
6/18/97	WA	WA	WA	WA	WA	WA	WA	WA	WA
9/26/97	WA	WA	WA	WA	WA	WA	WA	WA	WA
1/07/98	WA	WA	WA	WA	WA	WA	WA	WA	WA
7/16/98	WA	WA	WA	WA	WA	WA	WA	WA	WA
NR 140 ES	5.0	700	343	620	NS	NS	60	NS	NS
NR 140 PAL	0.5	140	68.6	124	NS	NS	12	NS	NS

(Continued)

Notes:

Concentrations in ppb
 ES: Enforcement standard
 PAL: Preventive action limit
 DRO: Diesel range organics
 GRO: Gasoline range organics
 MTBE: Methyl t-butyl ether
 TMB: Trimethylbenzene
 NA: Not analyzed
 NS: No standard
 WA: Well abandoned

Checked by: JHE
 Approved by: LMB

TABLE 2
(Continued)

Groundwater Quality Analytical Data
GWX-4
Godfrey West Site
West Milwaukee, Wisconsin

Sample Date	Parameters								
	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	DRO	GRO
6/26/92	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/19/92	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/01/94	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/31/94	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/08/94	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/11/95	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/20/96	<0.50	<1.0	<1.0	<3.0	NS	NS	98	NS	<50
11/18/96	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/09/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/24/97	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29	3.8	NA	NA
6/18/97	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29	77	NA	NA
9/26/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/07/98	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/16/98	<0.13	<0.22	<0.20	<0.23	<0.22	<0.29	[REDACTED]	NA	NA
NR 140 ES	0.5	700	343	620	NS	NS	60	NS	NS
NR 140 PAL	5.0	140	68.6	124	NS	NS	12	NS	NS

Notes:

- Concentrations in ppb
- ES: Enforcement standard
- PAL: Preventive action limit
- DRO: Diesel range organics
- GRO: Gasoline range organics
- MTBE: Methyl t-butyl ether
- TMB: Trimethylbenzene
- NA: Not analyzed
- NS: No standard

Checked by: JW
Approved by: JW